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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/814,752	03/23/2001	Wei-Chih Chen	022817-00023	4220

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ARENT FOX KINTNER PLOTKIN & KAHN, PLLC  
Suite 600  
1050 Connecticut Avenue, N.W.  
Washington, DC 20036-5339

EXAMINER

PHU, SANH D

ART UNIT	PAPER NUMBER
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2682

DATE MAILED: 12/28/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/814,752

Applicant(s)

CHEN ET AL.

Examiner

Sanh D Phu

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
  - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 08 September 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1, 2 and 5 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 3, 4, 6 is/are allowed.
- 6) ☒ Claim(s) 1, 2 and 5 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

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### DETAILED ACTION

1. This office action is responsive to the applicant's amendment filed on date 9/8/04.

#### *Claim Rejections – 35 USC § 112*

2. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

3. Claims 1, 2 and 5 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter, which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

Claim 1 recites the limitation "wherein said first contact point **removably** **contacts** with said first connector and said second contact point **removably**

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contact with second connector” on lines 15–17. This limitation is not disclosed in the specification of the instant application.

Claim 5 recites the limitation “connecting said holder...to make said first contact point of said secondary printed circuit contact removably with said first connector, and to make said second contact point of said secondary printed circuit board removably with said second connector” on lines 14–18. This limitation is not disclosed in the specification of the instant application.

Claim(s), (if any, depended on above claims), are therefore also rejected with the above reasons.

***Claim Rejections – 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(a) The invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

5. Claim 1, 2 and 5 are rejected under U.S.C. 102 (a) as being anticipated by the prior art, which is admitted by the applicant in the specification.

Regarding to claim 1, see pages 1 and 2 of the specification, the admitted prior art discloses a mobile phone having a keypad module and an LCM module, comprising:

a main printed circuit board (see page 1, line 7), a first contact point and first lateral short leg (considered together as first connector) and a second contact point and a second lateral short leg (considered together as second connector) being welded respectively onto a first predetermined location and a second predetermined location on the main printed board (see page 2, lines 2–4), a first reference power supply and a second reference power supply being provided respectively to said first connector and said second connector ( see page 2, lines 4–6), said main printed circuit board being divided into a first portion corresponding to said keypad module and a second portion corresponding to said LCM module (see page 1, lines 7–8);

a holder, said holder comprising a space accommodating said LCM module, said holder comprising a slit at a predetermined location of said holder (see page 1, lines 15–18); and

a secondary printed circuit board for carrying a plurality of LEDs to provide a back light source (see page 1, lines 18–20), said secondary printed circuit board being disposed within said slit (see page 1, lines 16–18), said secondary printed circuit board comprising a first contact point and a second contact point, wherein said first contact point correspondingly contacts with said first connector by being welded to said first connector, and said second contact point correspondingly contacts with said second connector by being welded to said second connector (see page 1, line 21 to page 2, line 9). Said contacts of said first contact point and said second contact point in the admitted prior art are inherently removable since welding can be removed.

Regarding to claim 2, the admitted prior art discloses that said first connector and said second connector are respectively welded onto said main printed circuit board (see page 2, lines 1–8), which is inherently made by means of a technology.

Regarding to claim 5, the claim is interpreted and rejected for the same reason as set forth in claim 2.

***Allowable Subject Matter***

6. Claims 3, 4 and 6 are allowed.

***Response to Arguments***

7. Applicant's arguments filed on 9/8/04 have been fully considered but they are not persuasive.

The applicant mainly argues that with respect to claims 1 and 5, the admitted prior art does not teach the contacts of the limitations "said first contact point" and "said second contact point" are removable.

The examiner respectfully disagrees. As being explained above, the admitted prior art discloses that said secondary printed circuit board comprising a first contact point and a second contact point, wherein said first contact point correspondingly contacts with said first connector by being welded to said first connector, and said second contact point correspondingly contacts with said second connector by being welded to said second connector (see page 1, line 21 to page 2, line 9). Said contacts of said first contact point

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and said second contact point in the admitted prior art are inherently removable since weldings can be removed. In order to clarify to an inherent characteristic of removability of weldings in a circuitry, the examiner now cited reference Nolan et al (5,216,803) disclosing the removability of weldings in a circuitry by using proper methods (see col. 1, lines 6-41).

*Conclusion*

8. Reference Nolan et al (5,216,803) is additionally cited because it is pertinent to the claimed system/method.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sanh D Phu whose telephone number is (703)305-8635. The examiner can normally be reached on 8:00-16:30.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.




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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sanh D. Phu  
Examiner  
Art Unit 2682

SP

  
LEE NGUYEN  
PRIMARY EXAMINER